(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 13 January 2005 (13.01.2005)

PCT

(10) International Publication Number WO 2005/002634 A1

(51) International Patent Classification⁷: A01M 1/20

A61L 9/03,

(21) International Application Number:

PCT/CH2004/000369

(22) International Filing Date: 17 June 2004 (17.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0315475.4

2 July 2003 (02.07.2003) GI

(71) Applicant (for all designated States except US): GIVAU-DAN SA [CH/CH]; Chemin de la Parfumerie 5, CH-1214 Vernier (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BROWN, Colin [GB/GB]; 5 Clandon Avenue, Egham Surrey TW20 8LP (GB). NAISH, Guy, Edward [GB/GB]; 28 Mullein Road, Bicester Oxfordshire OX26 3WE (GB).

(74) Agent: MCSTEA, John, Anthony; Ueberlandstrasse 138, CH-8600 Duebendorf (CH). (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

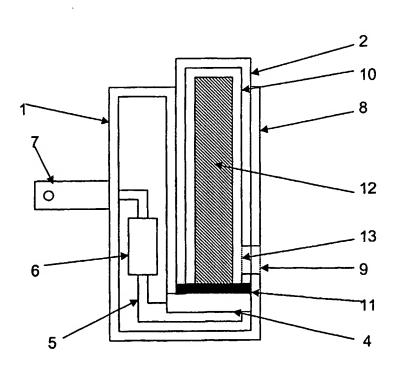
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VAPOUR DISPERSION



(57) Abstract: An apparatus adapted to transmit an active substance in the vapour phase to an atmosphere, comprising an active substance incorporated in a sublimable carrier substance (12) and a heating element (4) that interfaces with only part of the total sublimable carrier substance, carrier substance and heating element being so arranged that the sublimable carrier substance subliming at the heating element/sublimable carrier substance interface is replaced by further sublimable carrier substance. The apparatus is not prone to spillage, as are current volatile liquid-based apparatus. It also allows the easy observation of the approaching end of life of the carrier substance/active substance and its need for replacement, so that continuity of transmission is assured.